MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

JANUARY 1935

TEMPERATURE

Except over a portion of Vancouver Island and the adjacent coast, and on the east coast of Newfoundland, the month was generally severely cold over British North America.

In British Columbia the negative deviation from normal temperature varied from one degree in the extreme southern interior valleys to nine degrees at the head of the Fraser valley. On the northern coast the defect was three to four degrees but over most of Vancouver Island and along the inner coast there was an excess over normal of one or two degrees.

In the grain region of Alberta mean temperatures were three to fifteen degrees lower than the normal January temperature while in the western portion of the grain lands of Saskatchewan they were three to nine degrees below normal.

In southeastern Saskatchewan and southern Manitoba the defect was three to six degrees.

In Ontario from the eastern coast of Lake Superior westward to the Lake of the Woods the defect was mostly three to six degrees while on that portion of the Height of Land between the Abitibi headwaters and Lake Timiskaming the defect was eight to ten degrees. This defect increased down the Abitibi slope to James Bay where temperatures were fourteen degrees below normal. The coldest day in this region was the 23rd when a minimum of 61° below zero Fahrenheit was recorded at White River and 40° to 60° below zero at some other points. The 22nd was not nearly so cold, in fact twenty to thirty degrees warmer at many points than the 23rd. At a single point in this region, Iroquois Falls, a minimum of 73° below zero was recorded on the 22nd but on the 23rd a minimum of 57° below. The reading on the 23rd agrees very well with readings at other points but the reading of 73° below on the 22nd is so extraordinarily in disagreement with all other readings in that region that we are forced to the conclusion that the index of the minimum thermometer was displaced by some mischance unknown to the observer. In southern Ontario the deficiency below normal temperature was three to five degrees in the Georgian Bay region, the interior counties of the Lower Lakes peninsula and the Ottawa valley but on the shore of Lake Erie a few points reported mean temperatures slightly above normal.

In Quebec the month was very cold on the Height of Land from Lake Abitibi to Lake St. John with defect of seven to nine degrees below the normal January temperature and probably still greater defect on the slopes leading down to James Bay. In the St. Lawrence valley temperatures were four to seven degrees below normal as far downstream as the mouth of the Saguenay. Thence to the Gulf the deficiency diminished to two degrees.

In the Atlantic Provinces the month was colder than a normal January by two to four degrees in the Bay of Fundy region, by four to five degrees over the greater part of New Brunswick, by two to three degrees on the outer coast of western Nova Scotia but by only one degree in Cape Breton Island and Prince Edward Island.

In the far northwest the defect varied from three degrees in the Mackenzie delta to nine degrees at Great Slave Lake, and on Hudson Bay from eleven degrees at Churchill to nineteen degrees at Chesterfield.

In western Newfoundland temperatures were two to three degrees below normal but on the eastern coast were one or two degrees above normal. On the lower Labrador coast there was a small deficiency.

PRECIPITATION

The month was unusually wet in British Columbia, particularly on Vancouver Island and in the Lower Fraser Valley. Serious floods occurred in these regions when almost record snowfalls were followed by heavy rains and mild weather. At many points three to four times the normal amount of precipitation occurred. The few stations which have so far reported from the Okanagan and Thompson River districts do not show extraordinary precipitation although generally the amounts are above normal. In the East Kootenay, however, two to three times or more the average amount occurred. At Prince George at the head of the Fraser Valley twice the normal amount was reported. On the outer coast north of Vancouver Island the excess was apparently about fifty per cent. of the normal amount.

Generally over the western grain region there was an excess over normal precipitation. Over a very considerable portion of this region twice or three times the normal amount occurred. The precipitation was particularly heavy in the Peace River and Edmonton districts. From the Saskatchewan Forks northward and eastward into the lake region of Manitoba the precipitation was lighter and generally not much greater than the normal amount.

In Ontario from the Lake of the Woods eastward to the Abitibi slopes there was a large excess over normal precipitation varying from fifty to one hundred per cent. In the Lower Lake region there was a moderate excess over the normal amount which was largely confined to the ridge between Lakes Ontario and Huron. Elsewhere from the Lower Ottawa River to Lake St. Clair precipitation was normal or slightly deficient.

In Quebec along the St. Lawrence River from Montreal to the Saguenay precipitation was generally well in excess of normal and for the most part by about fifty per cent. In the upper Laurentian region where very low temperature prevailed during a great part of the month the snowfall was rather light and the total amount was somewhat below normal. Below the Saguenay to the Gaspé Peninsula there was a moderate excess but from Anticosti Island to the Straits of Belle Isle there was a moderate deficiency.

In the Atlantic Provinces precipitation was generally above normal. In New Brunswick the excess ranged from ten to one hundred and eighty per cent. while in Nova Scotia the excess ranged from five to one hundred and eighty per cent. In the northeastern corner of New Brunswick precipitation was practically normal. At Saint John the snowfall surpassed all previous records since 1861, amounting to more than fifty inches. A thaw and floods on the 11th, and ice and a sleet storm on the 24th completely disorganized traffic. At Charlottetown on Prince Edward Island the excess over normal precipitation was sixty per cent.

The reports from Newfoundland indicate that the precipitation was slightly below normal on the southern coast and moderately below the normal on the outer coast from Fogo to Belle Isle.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month; Column Sg denotes depth of snow on ground in inches, where given.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Cowichan Bay	51°	10°	11.6	39		Prince Rupert	54°	5°	6.8	38	31°	Kaslo	43°	-10°	9.7		24°
Duncan	55°	2°	15.9			Prince George	54°	-54°	3.2	44	5°	Cranbrook	56°	-40°	6.7		
Shawnigan Lake	50°	3°	18.6			New Westminster	58°	3°	20.9			Kamloops	48°	-27°	1.3	75	20°
Sooke	62°	5°	16.5			Vancouver	59°	4°	20.6	45	38°	Salmon Arm	46°	-25°	3.8	32	
Victoria	56°	10°	13.3	52	38°	White Rock	60°	3°	15.8			Golden	44°	-45°	5.7		
Nanaimo	56°	6°	12.6	56		Oliver	49°	-14°	0.8	44		Atlin			0.3		-4°
Estevan Point			30.4		41°	Vernon	47°	-25°	2.4	45							

ALBERTA

STATION	H	L	P	I	Tm	Sg	STATION	H	L	P	I	Tm	Sg
Beaverlodge	48°	-42°	3.2	63	-6°		Thorsby	54°	-44°	2.4		-4°	
Fairview	50°	-44°	1.9	26	-8°		Vermilion	36°	-48°	0.7		-10°	
Grande Prairie	40°	-56°	2.9		-10°		Wetaskiwin	48°	-43°	2.5		-3°	
Rycroft	51°	-57°	2.6		-13°		Jenner	40°	-46°	2.1		-5°	
Grouard	30°	-58°	3.5		-15°		Springdale	52°	-57°	1.9		-4°	
High Prairie	46°	-60°	3.0		-12°		Beaver Mines	52°	-36°	5.6		17°	
Slave Lake	32°	-50°	5.4		-10°		Calgary	52°	-38°	1.2	122	7°	
Campsie	43°	-56°	2.4		-7°		Cardston	56°	-34°	0.7		16°	
Camrose	44°	-51°	1.8		-8°		Claresholm			1.5			
Edmonton	44°	-43°	2.5	76	-4°	25	Lethbridge	55°	-32°	0.5	98	11°	T
Naco	33°	-45°	0.6		-9°		Macleod	57°	-36°	0.9		14°	
Radway	39°	-55°	2.6		-10°		Medicine Hat	43°	-38°	2.1	76	4°	
Ranfurly	40°	-53°	1.6		-10°		Seven Persons			2.0			
Telfordville			2.6				Winnifred			1.2			
							Lake Louise	41°	-55°	6.5		6°	

SASKATCHEWAN

Battleford	28°	-54°	0.9		-13°	16	Moose Jaw	44°	-40°	1.5	74	-1°	
Biggar	40°	-48°			-9°		Muenster	32°	-52°	1.0		-12°	
Prongua			1.1				Nokomis	34°	-45°	1.6		-8°	
St. Walburg	31°	-57°	1.1		-14°		Qu'Appelle	45°	-42°	1.9	94	-5°	10
Scott (Exp. Farm)	32°	-52°	1.2	86	-12°		Regina	34°	-44°	1.0		-6°	9
Waseca	33°	-47°	1.2		-11°		Regina (Exp. Sub. Station)	30°	-48°	1.3		-6°	
Brooksby	39°	-49°	0.5		-12°		Tugaske	41°	-42°	1.6		-6°	
Dundurn	33°	-48°	0.5		-8°		Whitewood	38°	-42°	1.7		-5°	
Harris	32°	-43°	1.9		-10°		Yellow Grass	42°	-41°	1.3		-3°	
Prince Albert	32°	-54°	0.7		-12°	10	Chaplin	37°	-42°			-3°	
Saskatoon	33°	-46°	1.1		-10°		Climax			1.3			
Nipawin	37°	-46°	0.4		-13°		Gravelbourg	39°	-47°	1.3		-4°	
Carlyle	28°	-45°	1.1		-6°		Klintonel	46°	-35°	1.3		7°	
Ceylon			0.6				Leader	40°	-44°	0.7		-8°	
Dana	33°	-55°	0.4		-13°		Leitchville			1.1			
Davidson	34°	-44°	1.0		-8°		Nashlyn	42°	-54°	0.9		-1°	
Francis	33°	-46°	1.3		-6°		Outlook	42°	-42°	1.0		-7°	
Grenfell	37°	-43°	1.4		-5°		Rockglen			1.7			
Humboldt	35°	-45°	0.7		-12°		Rosetown	36°	-42°	0.6		-9°	
Indian Head	37°	-45°	2.0		-6°		Shaunavon	45°	-37°			5°	
Lintlaw	41°	-48°	0.7		-10°		Swift Current	42°	-40°	1.7	94	2°	9
Lumsden	42°	-43°			-5°								
Midale	34°	-43°	1.6		-3°								

MANITOBA

Birtle	36°	-40°	1.1			17	Waskada	28°	-44°	1.8			8½
Brandon	27°	-42°	1.2	78	-7°	12	Morden	43°	-32°	1.4	68	-6°	
Minnedosa	40°	-40°	1.8		-7°	14	Morris	28°	-38°	0.2		-4°	12
Ninette	38°	-37°	1.5		-2°	12	Winnipeg	28°	-43°	1.6	70	-8°	21
Russell	40°	-47°	1.3		-10°		Bissett	34°	-52°	1.7		-11°	
St. Alban's (Treesbank)	34°	-38°	1.5		-7°	13	Great Falls	31°	-44°	1.1		-9°	11
							Dauphin	47°	-45°	1.2		-8°	19
Treherne	38°	-37°	1.5			7	Le Pas	36°	-46°	0.5	93	-15°	

ONTARIO

STATION	H	L	P	I	Tm	Sg
Northwestern Ontario						
Ignace	33°	-48°	6.2		-10°	54
Indian Bay	29°	-44°	1.6		-7°	
Kenora	25°	-41°	2.4			
Sioux Lookout			3.5		-8°	24
Kakabeka Falls	37°	-44°	3.4		-3°	30
Longlac	34°	-52°	3.2		-9°	35
Macdiarmid	33°	-45°	2.4		-6°	34
Port Arthur	37°	-35°	2.1		3°	22
Quorn	26°	-48°	2.3		-6°	20
North Central Ontario						
Franz	35°	-59°	3.9		-5°	26
Steep Hill Falls	36°	-54°	8.7		-1°	51
White River	34°	-61°	3.2		-6°	26
Biscotasing	37°	-48°	2.7		-1°	
Ruel	34°	-51°	2.4		-4°	39
High Falls			3.9			
Cochrane	35°	-44°	3.0	93	-8°	36
Haileybury	38°	-37°	1.8	112	-2°	18
Moosonee	24°	-44°	1.9		-18°	
Timmins	36°	-37°	3.2		-4°	30
Algonquin Park	40°	-41°	2.5		5°	17
Bear Island	37°	-38°			2°	
Crystal Falls	40°	-45°	2.8		4°	15
Madawaska	44°	-43°	1.5		5°	12
Providence Bay	41°	-28°	5.9		12°	
Southeastern Ontario						
Belleville	42°	-30°	4.6	114	12°	
Brockville	46°	-29°	5.2		12°	14
Campbellford	45°	-26°	3.8		15°	10
Clontarf	46°	-31°	2.3		7°	16
Kemptville	45°	-29°	1.9		6°	8
Kingston	42°	-18°	3.7	118	14°	
Morrisburg	45°	-40°	5.3		8°	12
Ottawa	42°	-24°	3.3		7°	16
Ottawa (Exp. Farm)	41°	-28°	3.0	128	5°	14
Pembroke	45°	-31°	2.9		5°	24
Renfrew	42°	-33°	2.9		0°	22
Trenton	44°	-24°	4.3		12°	18
Agincourt	40°	-14°	2.5		18°	
Georgetown	44°	-20°	3.0		17°	
Orono	42°	-21°	3.6	123	16°	10
Toronto	46°	-11°	3.0	71	21°	3½
Apsley	41°	-40°	3.9		8°	
Bancroft	42°	-11°	3.7		6°	
Fenelon Falls			2.8			
Haliburton	41°	-44°	3.4		8°	
Lakefield	39°	-25°	2.8		13°	
Peterboro	35°	-28°	3.0		12°	24
Southwestern Ontario						
Barrie	41°	-23°	4.5	83	14°	12
Beatrice	39°	-36°	3.3		9°	18
Beeton	45°	-19°	2.1		17°	2
Collingwood	47°	-16°	3.9		18°	8¼
Eugenia	41°	-24°	2.6		14°	7½
Huntsville	42°	-39°	2.9		10°	8
Magnetawan	41°	-40°	3.2		8°	21
Orillia	43°	-27°	2.5		10°	11
Owen Sound	45°	-12°	3.4		17°	
Parry Sound	40°	-33°	3.9		10°	
Scotia Junction	41°	-35°	2.8		9°	20
Walkerton	46°	-24°	3.9		19°	10
Washago			3.1			
Brucefield	42°	-18°	2.4		19°	4
Goderich	43°	-6°	2.7		22°	11
Lucknow	42°	19°	4.6		19°	
Southampton			3.4		18°	
Chatham	44°	-2°	2.1	79	23°	
Delhi	44°	-14°	2.6	78	22°	3
Grimsby	50°	-6°	2.8		24°	
Harrow	49°	1°	2.2	88	25°	
Niagara Falls	52°	-2°	2.4		24°	
Pelee Island	49°	0°	1.8		25°	0
Port Dover	44°	-13°	2.6		22°	
Ridgetown	46°	-7°	2.4		24°	
Rock Chapel	46°	-8°	2.9		20°	¾
St. Catharines	54°	-5°	2.7	62	24°	
St. Thomas	44°	-16°	3.3	82	22°	1½
Simcoe	48°	-13°	3.3		22°	2
Welland	47°	-7°	3.0		23°	4
Alton	43°	-20°	3.6		15°	3
Brantford	45°	-12°	3.6		20°	2
Grand Valley	40°	-23°	3.0		15°	6
Kitchener	40°	-12°	2.7		19°	
London	40°	-19°	4.2		20°	
Lucan	44°	-18°	2.6		20°	
Mount Forest	40°	-26°	5.2		16°	8
Paris	43°	-12°	3.9		22°	
Stratford	42°	-14°	3.7		18°	7
Woodstock	43°	-12°	3.4	80	20°	

QUEBEC

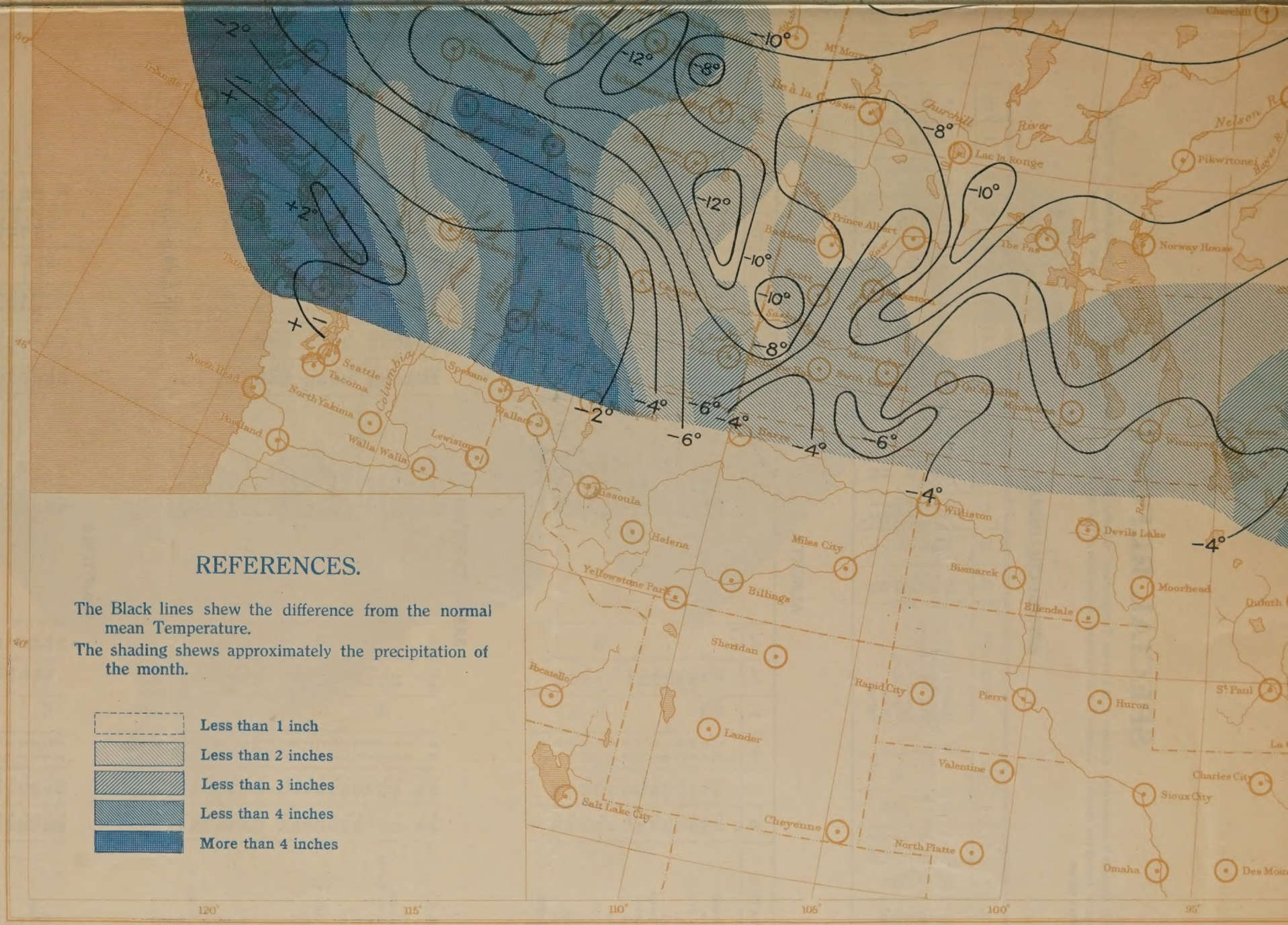
Berthierville	41°	-43°	4.7		3°	18
Brome	47°	-35°	4.9		8°	8
Cantic	42°	-20°	4.1		9°	
Cap Rouge (Exp. Farm)	41°	-28°	4.4	91	5°	24
Cedars	45°	-20°	4.7		7°	20
Chelsea	44°	-28°	3.4		3°	
Donnacona	36°	-31°	5.5		2°	6
Farnham	43°	-29°	5.1		7°	6
High Falls	43°	-38°	3.2		14°	
Huberdeau	41°	-30°	3.5		4°	9
Joliette	40°	-32°	3.3		4°	15
Lennoxville (Experimental Farm)	47°	-35°	5.7	93	6°	18
Macdonald College	46°	-24°	5.1		7°	13
Maniwaki	43°	-34°	2.4	124	3°	20
Montreal	44°	-17°	5.3		10°	24
Nicolet	44°	-27°	3.9		5°	
Quebec	41°	-21°	3.4	99	5°	23
St. Gabriel de Brandon			4.8			
St. Hyacinthe	46°	-23°	5.4		8°	9
St. Joachim	41°	-28°	3.1	130	7°	15
St. Laurent	43°	-29°	5.0		6°	
St. Lin	40°	-39°	3.5		3°	
St. Tite	38°	-35°	3.1		-3°	
Sherbrooke	49°	-29°	4.5	86	9°	5
Sorel	41°	-34°	4.0		2°	
Albanel	32°	-38°	1.0		-7°	
Ile Maligne	40°	-33°	3.3		-6°	
Rapide Blanc	36°	-48°	1.3		-10°	37½
Rigolet	44°	-39°	5.3		1°	
Sanmaur	41°	-56°	1.5	118	-6°	18
Amos	36°	-55°	1.2		-9°	
Dolbeau	32°	-44°	0.8		-8°	
Doucet	36°	-60°	2.1		-11°	30
Kipawa			1.5			
La Ferme	35°	-56°	0.7	111	-9°	
Timiskaming	38°	-33°	2.3		2°	
Anticosti			1.3		10°	
Bicquette	39°	-22°	3.2		2°	
Father Point			3.2		9°	28
Grindstone Island	42°	-11°	5.4		15°	8
Harrington Harbour	28°	-26°	0.3		7°	36
Port Daniel	49°	-35°	3.8		7°	
Price	42°	-34°	4.0		2°	
Ste. Anne de la Pocatiere	44°	-22°	4.8	84	4°	
Ste. Rose	47°	-41°	3.3		2°	

ATLANTIC PROVINCES

Aroostook	41°	-47°	5.1		3°	24
Bathurst	42°	-26°	2.9		6°	31
Chatham	46°	-36°	3.8		8°	12
Chipman	44°	-44°	6.7		6°	
Edmundston	44°	-41°	6.1		3°	34
Fredericton	44°	-26°	5.5	105	8°	24
Fredericton (Exp. Farm)	44°	-28°	6.6	107	9°	25
Gagetown	47°	-24°	8.8		12°	24
Grand Falls	40°	-44°	5.1		3°	30
Harvey	44°	-22°	7.2		9°	33
McAdam Junction	48°	-29°	7.1		8°	
Moncton	51°	-24°	5.5		12°	10
Musquash	45°	-34°	11.4		14°	36
Nepisiquit Falls	40°	-37°	4.5		5°	
Richibucto	45°	-28°	6.2		10°	15
St. George	44°	-30°	11.3		13°	
St. John	45°	-18°	11.8	106	15°	12
Sackville	50°	-18°	5.4		15°	
Sussex	50°	-32°	6.9		12°	16
Woodstock	44°	-43°	5.4		7°	40
Annapolis Royal	55°	-4°	8.6	34	21°	
Digby	52°	-3°	9.8		20°	8
Halifax	51°	-10°	7.5		20°	6
Kentville Exp. Farm	55°	-18°	8.7	49	18°	7
Liverpool	48°	-22°	5.6		21°	
Nappan	57°	-19°	8.0	86	14°	10
St. Paul Island			5.6		21°	
Sydney	49°	-6°	8.9		21°	10
Truro	53°	-18°	7.2		17°	
Upper Stewiacke	52°	-19°	5.9		18°	3
Wolfville	55°	-13°	8.5		19°	6
Yarmouth	51°	2°	6.5		24°	4
Charlottetown (Experimental Farm)	46°	-14°	6.7	73	16°	6

-8°
-10°
-12°
-14°
-14°
-12°
-10°
-8°
-4°
-2°
+2°
+2°
-4°
-2°
-4°
-10°
-4°
-4°
-4°
-4°
-2°
-4°
-2°
-2°
Port Nelson
Great Whale River
Big River
James Bay
Ft George
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Chicago
Toledo
Cleveland
Erie
La Salle
Ft. Wayne
Pittsburg
Harrisburg
Philadelphia
Scranton
Binghampton
New York
Oswego
Rochester
Syracuse
Albany
Buffalo
Northfield
Portland
Concord
Boston
New Haven
Block I.
Nantucket
Lake Michigan
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
R MAP
RY, 1935
temperature; and total precipitation of the month.
Ellesmere Island
Pond Inlet
Godhaven
Arsuk
Angmagssalik
+6°
+4°
+4°
+2°
−10°
−10°
−8°
−8°
−6°
−18°
−16°
Pangnirtung
Nottingham I.
Cape Wolstenholme
Wakeham
Resolution
Port Burwell
Port Chimo
Port Harrison
H U D S O N ' S

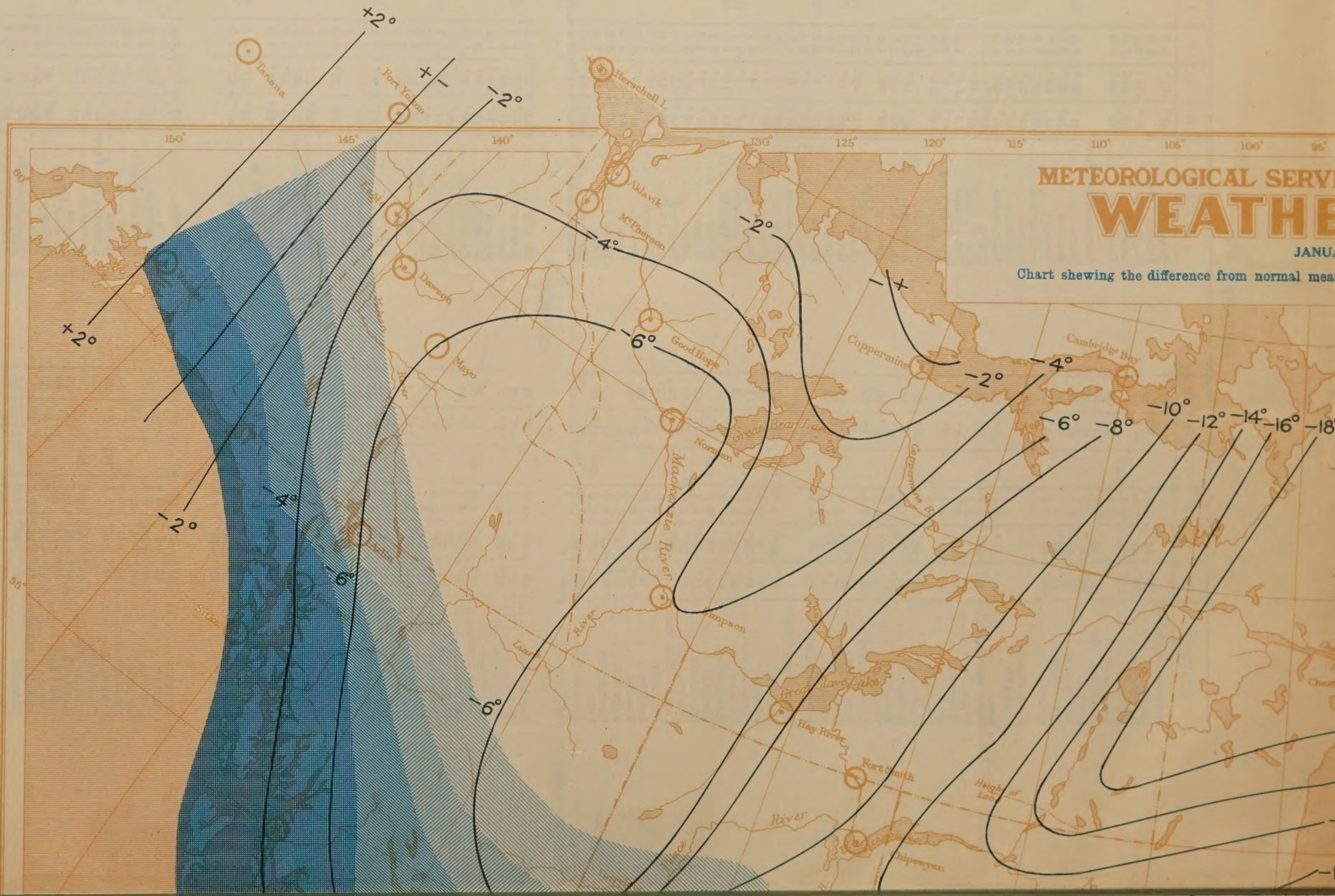


REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches


METEOROLOGICAL SERV
WEATHE
JANU
Chart shewing the difference from normal mea
+2°
+2°
+2°
−2°
−2°
−4°
−6°
−2°
−4°
−6°
−6°
−2°
−4°
−6°
−8°
−10°
−12°
−14°
−16°
−18°
Herschell I.
Aklavik
Fort Yukon
Tanana
Dawson
Mayo
Good Hope
Norman
Coppermine
Cambridge Bay
Mackenzie River
Simpson
Great Slave Lake
Hay River
Fort Smith
River
Sitka
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
60°
55°

NEWFOUNDLAND

STATION	H	L	P	I	Tm	Sg	STATION	H	L	P	I	Tm	Sg
Belle Isle.....	36°	–28°	1.7		9°		Grand Banks.....	47°	–4°	6.0		26°	2
Cape Race.....	44°	–3°	4.2		26°		Millertown Junction	46°	–30°	2.9		15°	18
Cartwright.....	32°	–32°	2.5		–3°	37	St. George's.....	54°	–13°	4.7		19°	6
Fogo.....	49°	–4°	1.6		22°	10	St. John's.....	48°	0°	4.5		25°	